

10664422- 65_vs_AF035685.txt

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: April 28, 2008, 12:09:18 ; Search time 4 Seconds
(without alignments)
18.921 Million cell updates/sec

Title: us-10-664-422a-65
Perfect score: 9110.8
Sequence: 1 accat agagt gaat ct caga. aaat tat at aaggt ggct aa 9112

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 4153 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : af035685.gb_pr:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	4084	44.8	4153	1	AF035685	ACCESSION: AF035685
c 2	30.6	0.3	4153	1	AF035685	ACCESSION: AF035685

ALIGNMENTS

RESULT 1
AF035685
LOCUS AF035685 4153 bp mRNA linear PRI 10-AUG-1998
DEFINITION Homo sapiens voltage-gated sodium channel, subtype III (SCN3A) mRNA, alternatively spliced neonatal isoform partial cds.
ACCESSION AF035685
VERSION AF035685.1 GI:2665781
KEYWORDS .
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorhini; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 4153)
AUTHORS Lu, C. M. and Brown, G. B.
TITLE Isolation of a human-brain sodium channel gene encoding two

10664422-65_vs_AF035685.txt

isoforms of the subtype III alpha-subunit
J. Mol. Neurosci. 10 (1), 67-70 (1998)
9589372
2 (bases 1 to 4153)
Lu, C.-M. and Brown, G.B.
Direct Submission
Submitted (24-NOV-1997) Psychiatry and Behavioral Neurobiology,
University of Alabama at Birmingham 1720 7th Ave. South, Sparks
Ctr., Room 1075, Birmingham, AL 35294-0017, USA

FEATURES

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/organism="Homo sapiens"
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CDS 55..>4153
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Query Match 44.8% Score 4084; DB 1; Length 4153;
Best Local Similarity 99.0% Pred. No. 0;
Matches 4106; Conservative 2; Mismatches 38; Indels 0; Gaps 0;

10664422- 65 vs. AF035685.txt

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Qy	700	CTGCTATCGAAAAAAGTGTGCAGAAGAGAAAGGCCAAGAAGOOCAAAAAGGAACAAGATA	759
Db	122	CTGCTATCGAAAAAAGTGTGCAGAAGAGAAAGGCCAAGAAGOOCAAAAAGGAACAAGATA	181
Qy	760	ATGATGATGAGAACAACCAAGGCCAAATAGTGACTTGAAGCTGGAAAGAACCTTCCAT	819
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Qy	1120	GAATCTATAOCTTTGAGTCACTTATAAAAATCTTGGCAAGAGGGTTTTGCTTAGAAGATT	1179
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Qy	1180	TTACGTTTCTTCGTGATCCATGGAACCTGGCTGGATTTGAGTGTATTGTGATGGCATATG	1239
Db	602	TTACGTTTCTTCGTGATCCATGGAACCTGGCTGGATTTGAGTGTATTGTGATGGCGTATG	661
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 Db 962 GGACATTTGTTAATGTAAACAATGAGCACATTTAACTGGAAGGATAACATTGGAGATGACA 1021
 Qy 1600 GTCACTTTTATGTTTTGGATGGGCAAAAAGACCOCTTTACTCTGTGGAAATGGCTCAGATG 1659
 Db 1022 GTCACTTTTATGTTTTGGATGGGCAAAAAGACCOCTTTACTCTGTGGAAATGGTT CAGATG 1081
 Qy 1660 CAGGCCAGTGTCCAGAAGGATACATCTGTGTGAAGGCTGGTGGAAACCCCAACTATGGCT 1719
 Db 1082 CAGGCCAGTGTCCAGAAGGATACATCTGTGTGAAGGCTGGTGGAAACCCCAACTATGGCT 1141
 Qy 1720 ACACAAGCTTTGACAOCTTTAGCTGGGCTTTCTGTCTCTATTTGACTCATGACTCAAG 1779
 Db 1142 ACACAAGCTTTGACAOCTTTAGCTGGGCTTTCTGTCTCTATTTGACTCATGACTCAAG 1201
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10664422- 65_vs_AF035685.txt

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Db	3722		GGTGCCGGCTAGATTTCTTGATCGTTGATGTTTCTTTGGTTAGCCTGGTAGCCAATGCTC	3781

10664422- 65 vs. AF035685.txt

Qy	4360	TTGGCTACTCAGAACTCGGTGCCATCAAATCATTACGGACATTAAAGAGCTTTAAGACCTC	4419
Db	3782	TTGGCTACTCAGAACTCGGTGCCATCAAATCATTACGGACATTAAAGAGCTTTAAGACCTC	3841
Qy	4420	TAAGAGCCTTATCCCGGTTTGAAGGCATGAGGGTGGTTGTGAATGCTCTTGTTGGAGCAA	4479
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Qy	4480	TTCCCTCTATCATGAATGTGCTGTTGGTCTGTCTCATCTTCTGGTTGATCTTTAGCATCA	4539
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Qy	4600	TGTTTGACATTAGTGATGTTAACAAATTTGAGTGACTGTCAGGCTCTTGGCAAGCAAGCTC	4659
Db	4022	TGTTTGACATTAGTGATGTTAACAAATTTGAGTGACTGTCAGGCTCTTGGCAAGCAAGCTC	4081
Qy	4660	GGTGGAAAAACGTGAAAGTAAACTTTGATAATGTTGGCGCTGGCTATCTTGCACTGCTTC	4719
Db	4082	GGTGGAAAAACGTGAAAGTAAACTTTGATAATGTTGGCGCTGGCTATCTTGCACTGCTTC	4141
Qy	4720	AAGTGG	4725
Db	4142	AAGTGG	4147

RESULT 2

AF035685/ c

LOCUS

DEFINITION

AF035685 4153 bp mRNA linear PRI 10- AUG- 1998
Homo sapiens voltage-gated sodium channel, subtype III (SCN3A)
mRNA, alternatively spliced neonatal isoform partial cds.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Haplorhini;
Catarrhini; Homnidae; Homo.

REFERENCE

AUTHORS

TITLE

JOURNAL

PUBMED

REFERENCE

AUTHORS

TITLE

JOURNAL

1 (bases 1 to 4153)
Lu, C. M. and Brown, G. B.
Isolation of a human-brain sodium channel gene encoding two
isoforms of the subtype III alpha-subunit
J. Mol. Neurosci. 10 (1), 67-70 (1998)
9589372
2 (bases 1 to 4153)
Lu, C. - M. and Brown, G. B.
Direct Submission
Submitted (24- NOV- 1997) Psychiatry and Behavioral Neurobiology,
University of Alabama at Birmingham, 1720 7th Ave. South, Sparks
Qtr., Room 1075, Birmingham AL 35294- 0017, USA

FEATURES

source

Location/Qualifiers
1..4153
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/chromosome="2"
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/sex="female"
/tissue_type="cerebral cortex of brain"